

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001549

A. CLASSIFICATION OF SUBJECT MATTER

Int. Cl. ⁷: C12N 7/02

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

SEE BELOW

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SEE BELOW

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPIDS, MEDLINE, CAPLUS, AGRICOLA

KEYWORDS: baculovirus; larva?/helicoverpa/spodoptera/anticarsia/autographa/anagrapha/lymantria/bombyx/buzura;
Large scale/scale up/bioreactor/commercial; biopesticide/bioinsecticide/pesticide/insecticide

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	Chakraborty, S. and Reid, S., 1999, Serial passage of a <i>Helicoverpa armigera</i> nucleopolyhedrovirus in <i>Helicoverpa zea</i> cell cultures, <i>Journal of Invertebrate Pathology</i> , 73: 303-308. p. 307-308, <i>Discussion</i>	1-12
A	Slavicek, J. M. et al., 1996, Isolation of a baculovirus variant that exhibits enhanced polyhedra production stability during serial passage in cell culture, <i>Journal of Invertebrate Pathology</i> , 67: 153-160. Whole document	1-12

☒ Further documents are listed in the continuation of Box C☐ See patent family annex

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search

17 December 2004

Date of mailing of the international search report

11 JAN 2005

Name and mailing address of the ISA/AU

AUSTRALIAN PATENT OFFICE
PO BOX 200, WODEN ACT 2606, AUSTRALIA
E-mail address: pct@ipaustalia.gov.au
Facsimile No. (02) 6285 3929

Authorized officer

SOPHIA CALANNI
Telephone No : (02) 6283 2038

BEST AVAILABLE COPY

INTERNATIONAL SEARCH REPORT

International application No.

PCT/AU2004/001549

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	<p>Wong, K. T. K. et al., 1996, Low multiplicity infection of insect cells with a recombinant baculovirus: the cell yield concept, <i>Biotechnology and Bioengineering</i>, 49: 659-666.</p> <p>Whole document</p>	1-12
A	<p>Chakraborty, S. et al., 1995, <i>In vitro</i> production of wild type <i>Heliothis</i> baculoviruses for use as biopesticides, <i>Australasian Biotechnology</i>, 5: 82-86.</p> <p>Whole document</p>	1-12
A	<p>Lua, L. H. L. et al., 2002, Phenotypic and genotypic analysis of <i>Helicoverpa armigera</i> nucleopolyhedrovirus serially passaged in cell culture, <i>Journal of General Virology</i>, 83:945-955.</p> <p>Whole document</p>	1-12
A	<p>Bull, J. C. et al., 2003 (April), A few-polyhedra mutant and wild-type nucleopolyhedrovirus remain as a stable polymorphism during serial coinfection in <i>Trichoplusia ni</i>, <i>Applied and Environmental Microbiology</i>, 69: 2052-2057.</p> <p>p. 2054, <i>Serial rounds of insect infection</i></p>	1-12

BEST AVAILABLE COPY